

**SUGARCANE GROWTH MEASUREMENT DATA
USDA-ARS, SRRC, SUGARCANE RESEARCH UNIT
ARDOYNE FARM, HOUma, LOUISIANA**

Growth Measurement No. 08

Growth from 5/15/07 to 5/22/07

Average growth (inches) this week Plant-Cane

| | |
|------------------|------|
| LCP 85-384 | 1.80 |
| Ho 95-988 | 1.95 |
| HoCP 96-540..... | 1.70 |
| L 97-128 | 2.55 |

Average growth (inches) this week 1st-Stubble

| | |
|------------------|------|
| LCP 85-384 | 1.65 |
| Ho 95-988 | 1.65 |
| HoCP 96-540..... | 1.65 |
| L 97-128 | 2.70 |

Average height (inches) to date Plant-Cane

| | |
|------------------|-------|
| LCP 85-384 | 9.10 |
| Ho 95-988 | 11.70 |
| HoCP 96-540..... | 10.15 |
| L 97-128 | 13.75 |

Average height (inches) to date 1st-Stubble

| | |
|------------------|-------|
| LCP 85-384 | 11.30 |
| Ho 95-988 | 12.50 |
| HoCP 96-540..... | 11.60 |
| L 97-128 | 14.55 |

Average height in inches

| YEAR | HoCP 96-540 | | LCP 85-384 | |
|------|-------------|--------------------------|------------|--------------------------|
| | PLANT-CANE | 1 ST -STUBBLE | PLANT-CANE | 1 ST -STUBBLE |
| 2007 | 10.2 | 11.6 | 9.1 | 11.3 |
| 2006 | 16.6 | 13.8 | 20.4 | 15.6 |
| 2005 | 9.9 | 12.3 | 11.0 | 10.9 |
| 2004 | 15.9 | 15.4 | 15.6 | 18.1 |
| 2003 | | | 10.5 | 12.7 |
| 2002 | | | 13.4 | 13.5 |
| 2001 | | | 11.9 | 13.9 |
| 2000 | | | 17.3 | 16.8 |
| 1999 | | | 19.0 | 20.9 |
| 1998 | | | 9.6 | 15.9 |

SOIL MOISTURE and CLIMATOLOGICAL DATA*

| | <u>6"</u> | <u>12"</u> | <u>18"</u> | <u>Temp</u> |
|-------------|-----------|------------|------------|-------------|
| Min | | | | 53.1 |
| Max | | | | 88.5 |
| Mean | | | | 71.3 |

Rainfall total for week (inches).....0.41"

Rainfall total for year (inches)..... 15.04"

* Temperature, rainfall records, and soil moisture from Ardoyne Farm.
Soil moisture ranges from 0 cbars (saturated) to 200 cbars (dry).